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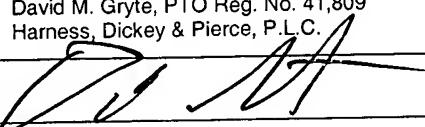
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		Application Number	10/603,441
		Filing Date	June 25, 2003
		First Named Inventor	Daniel P. Becker, et al.
		Group Art Unit	1614
		Examiner Name	Unknown
Total Number of Pages in This Submission		Attorney Docket Number	01136/1/US

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
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<input checked="" type="checkbox"/> 2nd Supplemental Information Disclosure Statement	<input type="checkbox"/> Request for Refund	36 References
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## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	David M. Gryte, PTO Reg. No. 41,809 Harness, Dickey & Pierce, P.L.C.
Signature	
Date	September 24, 2003

## CERTIFICATE OF MAILING

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on this date: 

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EV 311408213 US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Daniel P. Becker, et al.  
Serial No: 10/603,441  
Filed: June 25, 2003  
For: Hydroxamic Acid and Amide Compounds and Their Use as Protease Inhibitors  
Confirmation No: 4396  
Art Unit: 1614  
Examiner: TBA  
Attorney Ref: 01136/1/US  
HDP Ref: 6794-000057/US

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September 24, 2003

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Madam/Sir:

To comply with 37 CFR §1.97 and §1.98, Applicants submit the enclosed supplemental Form PTO-1449 and copies of all documents listed on that form.

In accordance with MPEP §609 and §707.05(b), Applicants respectfully request that each document listed be given thorough consideration and that the Examiner cite each document of record in the prosecution history of the present application by initialing Form PTO-1449 next to each document. Applicants request such initialing even if the Examiner does not consider: (1) a listed document to be sufficiently pertinent to use in a rejection; (2) a document to be prior art for any reason; or (3) that the guidelines for citation have been fully complied with respecting a particular document. Applicants make this request so that each document becomes cited on the face of a patent issuing on the present application.

Applicants submit this Information Disclosure Statement in compliance with the duty to disclose information material to patentability under 37 CFR §1.5, but by listing such documents Applicants are not admitting that such documents are necessarily relevant or prior art.

Applicants intend no representation that the listed documents represent the results of a complete search. Applicants anticipate that the Examiner, in the normal course of examination, will make an independent search consistent with 37 CFR §1.104(a) and §1.106(b) and, in the course of such

Appl. No. 10/603,441  
Information Disclosure Statement  
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search, will review for relevance every document listed on the attached form even if not initialed.

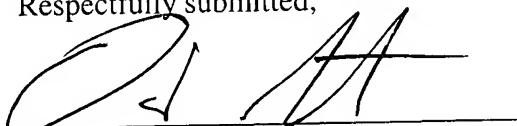
Applicants make no representation as to the accuracy of any translation provided with this Information Disclosure Statement.

Applicants request early and favorable consideration.

\* \* \* \* \*

Applicants believe that they do not owe any fee in connection with this Information Disclosure Statement. If, however, Applicants do owe any such fee(s), the Commissioner is hereby authorized to charge the fee(s) to Deposit Account No. **08-0750**. In addition, if there is ever any other fee deficiency or overpayment under 37 C.F.R. §1.16 or §1.17 in connection with this patent application, the Commissioner is hereby authorized to charge such deficiency or overpayment to Deposit Account No. **08-0750**.

Respectfully submitted,



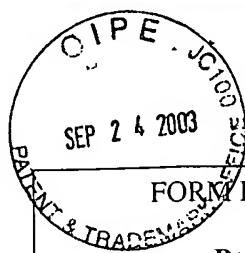
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Sheet 1 of 3

ATTORNEY DOCKET NO.	SERIAL NO.
01136/1/US	10/603,441
APPLICANTS	
Daniel P. Becker, et al.	
FILING DATE	GROUP
June 25, 2003	1614

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date

**FOREIGN PATENT DOCUMENTS**

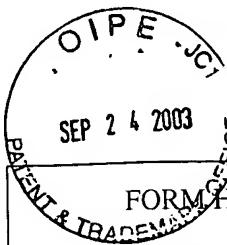
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
32.		WO 99/42436	8/26/99	PCT	C07C 239/14	
33.		WO 99/25687	5/27/99	PCT	C07D 211/66	
34.		WO 99/09000	2/25/99	PCT	C07C 235/00	
35.		WO 98/38163	9/3/98	PCT	C07C 323/60	
36.		WO 98/37877	9/3/98	PCT	A61K 31/16	
37.		WO 97/24117	7/10/97	PCT	A61K 31/19	
38.		WO 97/20824	6/12/97	PCT	C07D 241/04	
39.		WO 96/11209	4/18/96	PCT	C07K 5/06	
40.		WO 96/06074	2/29/96	PCT	C07C 259/06	
41.		WO 95/29892	11/9/95	PCT	C07D 207/327	
42.		WO 95/13289	5/18/95	PCT	C07K 5/062	
43.		WO 95/09841	4/13/95	PCT	C07C 323/60	
44.		WO 94/24140	10/27/94	PCT	C07H 13/04	
45.		WO 94/02466	2/3/94	PCT	C07D 221/14	
46.		WO 93/20047	10/14/93	PCT	C07C 317/44	

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		Daniel P. Becker, et al.	
		FILING DATE	GROUP
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Sheet 2 of 3			

#### FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes      No
47.		WO 90/05719	5/31/90	PCT	C07C 323/62	

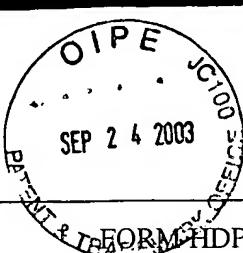
#### OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
48.		Brown, "Synthetic Inhibitors of Matrix Metalloproteinases"; <i>Matrix Metalloproteinases</i> , pp. 243-261 (Academic Press, San Diego, CA, Eds. Park, W.C., & Mecham, R.P., 1998)
49.		Dack, et al., "Preparation of N-hydroxytetrahydropyridylsulfonylacetamides and related compounds as matrix metalloprotease inhibitors," CA 131:44740 (1999)
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51.		Freije, et al., "Molecular cloning and expression of collagenase-3, a novel human matrix metalloproteinase produced by breast carcinomas," <i>J. Biol. Chem.</i> , 269(24), pp. 16766-16773 (1994)
52.		Gearing, et al., "Processing of tumour necrosis factor- $\alpha$ precursor by metalloproteinases", <i>Nature</i> , 370:555-557 (1994)
53.		Gu, et al., "S-Nitrosylation of Matrix Metalloproteinases: Signaling Pathway to Neuronal Cell Death," <i>Science</i> , 297, 1186-1190 (2002)
54.		Hughes, et al., "Monoclonal antibodies that specifically recognize neoepitope sequences generated by 'aggrecanase' and matrix metalloproteinase cleavage of aggrecan: application to catabolism <i>in situ</i> and <i>in vitro</i> ," <i>Biochem. J.</i> , 305, 799-804 (1995)
55.		Kenyon, et al., "A Model of Angiogenesis in the Mouse Cornea," <i>Investigative Ophthalmology &amp; Visual Science</i> , Vol. 37, No. 8:1625-32 (July 1996)
56.		Knight, et al., "A novel coumarin-labelled peptide for sensitive continuous assays of the matrix metalloproteinases," <i>FEBS Lett.</i> , 296(3):263-266 (1992)
57.		Kuzmic, et al., "High-throughput screening of enzyme inhibitor: simultaneous determination of tight-binding inhibition constants and enzyme concentration," <i>Anal. Biochem.</i> , 286, 45-50 (2000)
58.		Luckow, et al., "Insect Cell Expression Technology", <i>Protein Engineering: Principles and Practice</i> , pp. 183-218 (John Wiley & Sons, Inc., New York, NY, Edited by J.L. Cleland et al., 1996)

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Sheet 3 of 3

ATTORNEY DOCKET NO.	SERIAL NO.
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APPLICANT	
Daniel P. Becker, et al.	
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June 25, 2003	1614

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
59.		Luckow, et al., "Efficient generation of infectious recombinant baculoviruses by site-specific transposon-mediated insertion of foreign genes into a baculovirus genome propagated in escherihia coli," <i>J. Virol.</i> , 67(8):4566-4579 (1993)
60.		McClure, et al., "Matrix metalloprotease (MMP)-13 selective inhibitors for treatment of arthritis deformans and other MMP-related diseases," CA 131:125454 (1999) [CA Plus Accession No. 1999:468334]
61.		McGeehan, et al., "Regulation of tumour necrosis factor- $\alpha$ processing by a metalloproteinase inhibitor," <i>Nature</i> , 370:558-561 (1994)
62.		Mitchell, et al., "Cloning, expression, and type II collagenolytic activity of matrix metalloproteinase-13 from human osteoarthritic cartilage," <i>J. Clin. Invest.</i> , 97(3):761-768 (1996)
63.		Rasmussen, et al., "Matrix metalloproteinase inhibition as a novel anticancer strategy: a review with special focus on batimastat and marimastat," <i>Pharmacol. Ther.</i> , 75(1):69-75 (1997)
64.		Reboul, et al., "The new collagenase, collagenase-3, is expressed and synthesized by human chondrocytes but not by synoviocytes," <i>J. Clin. Invest.</i> , 97(9):2011-2019 (1996).
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66.		Tang, "ADAMTS: a novel family of extracellular matrix proteases," <i>Int'l J. Biochem. Cell Biol.</i> , 33, 33-44 (2001)
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